



Delivering Standardized CTE Assessments

—Idaho PTE Summer Conference—

18 June, 2014



PRECISION EXAMS

- 3,000,000 exams delivered
- 15 years
 - ProCert Labs > Precision Exams & Surveys > Precision Exams
- Focused on CTE education
 - Standards development, validation, content mapping
 - Exam development, psychometrics, delivery and support
- Bridge gap between “certification” testing and “standardized assessment” testing in school systems

Bridging the Gap in CTE Assessment

Certification Testing

- Relationship with individual.
- Where's the value to the organization?



Standardized Assessment Testing

- Relationship with the organization.
- Where's the value to the individual?

Statewide Implementations – Genesis UT

*Giving Students
the Edge*



- 20 years of CTE assessment refinement
- Every CTE course has an associated exam
- Every CTE student is evaluated
- Track pathway completers, concentrators, participants
- Full compliance with state/federal laws (i.e. Perkins)

"I consider Precision Exams a real partner; not just a vendor. Together we effectively and economically assess every student at the end of every CTE course to achieve full compliance with state and Perkins requirements."

Mary Shumway
State Director, Utah Career and Technical Education



Benefits of Partnering with Precision Exams

1. Unlimited role-based access to our entire inventory

- 150+ validated Career Skills® Exams
- Includes all standards and performance rubrics for each exam

2. Super easy-to-use assessment delivery system

- 100% online – Zero-footprint – No software installs/updates
- No need to enter student rosters
- With no prior experience an entire class can be testing in 5 minutes!

3. Instant Detailed Reporting

- State, district, school, teacher-level reporting
- Pre/Post student growth reports
- Exam reporting by standards – focused improvements

4. Complete and Fully Adaptable Solutions

- Exams and standards on a 1-3 year review cycle
- Import any exams you already use (including paper/pencil)

5. COST!

- Highest quality complete CTE testing solution available at minimal costs

Precision Exams – Updates



- New Partnerships
 - Southern Region Education Board “SREB”
 - National Consortium for Health Science Education “NCHSE”
- New State Partnerships
 - Washington
 - Indiana
- Exams list going into 2014-15
 - Approximately 45 updated exams to-date
 - Over 10 new exams
 - Interpersonal Relationships, Nutrition and Wellness, Personal Financial Responsibility, Preparing for College and Careers, Robotics & Automation, Exploring Computer Science, and more...
 - Working on 21st Century Career Skills exam

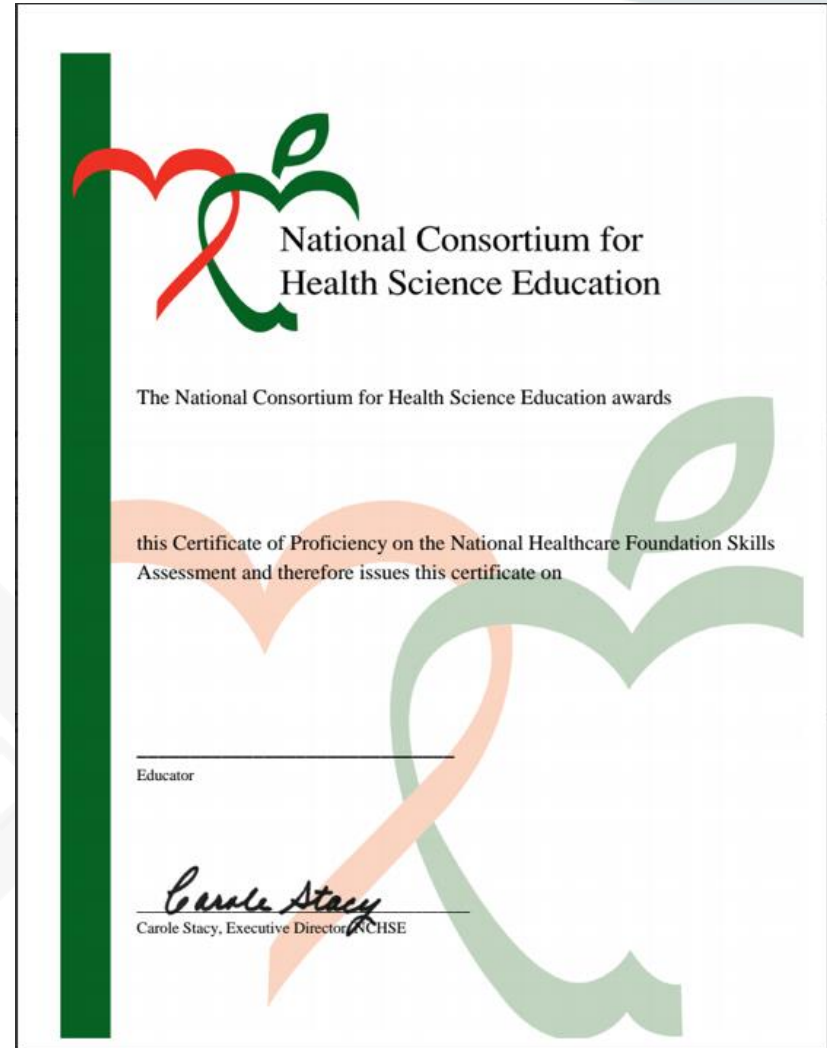
'13-'14 School Year Results - NCHSE

329 National Health Science Assessments “NCHSE”

- Pre - 86
- Post – 87
- Single – 156

Average Score – 64%

Certificates Awarded - 78



'13-'14 School Year Results Results



226 Exercise Science/Sports Medicine

- Pre – 87
- Post – 87
- Single – 52

Average Score – 74%

Certificates Awarded - 43

Listings of Career Skills Exams and Standards

- [PrecisionExams.com](https://www.precisionexams.com)

Or..

- Hyperlinked exam flyer



Career Skills Exams and Certifications™

Precision Exams® currently provides over 150 Career Skills Certification™ exams.

- The exam standards currently align with the National Career Clusters.
- The standards and exams were created in concert with industry and subject matter experts and the Utah State Office of Education to match real world job skills and marketplace demands.
- A Career Skills Performance Evaluation™ is coupled with each exam to provide a comprehensive evaluation of a students' demonstrable skill attainment in a given program of study.
- Students that pass the exam and performance portion of the exam can earn a Career Skills Certification™.

Agriculture, Food & Natural Resources

[Ag Communication and Leadership \(190\)](#)
[Agricultural Science I \(180\)](#)
[Agricultural Science II \(183\)](#)
[Agricultural Science III \(185\)](#)
[Ag Systems Technology I \(110\)](#)
[Ag Systems Technology II \(113\)](#)
[Ag Business And Management \(150\)](#)
[Animal Science I \(120\)](#)
[Animal Science II \(123\)](#)
[Equine Science - Year \(126\)](#)
[Equine Science A \(127\)](#)
[Equine Science B \(128\)](#)
[Floriculture & Greenhouse Mgmt \(130\)](#)
[Floriculture & Greenhouse Mgmt. A \(131\)](#)
[Floriculture & Greenhouse Mgmt. B \(132\)](#)
[Landscape Management \(133\)](#)
[Natural Resource Science I \(170\)](#)
[Natural Resource Science II \(173\)](#)
[Nursery Operation \(134\)](#)
[Plant & Soil Science \(140\)](#)
[Plant & Soil Science II \(143\)](#)
[Veterinary Assistant \(124\)](#)
[Welding Technician, Entry \(595E\)](#)
[Welding Technician, Inter. \(596\)](#)
[Welding, Advanced \(597\)](#)

Arts, A/V Technology & Communication

[3D Animation \(819\)](#)
[3D Graphics \(818\)](#)
[Business Web Page Design \(254E\)](#)
[Business Web Page Design, Adv. \(256\)](#)
[Commercial Advertising and Art \(532\)](#)
[Commercial Photography, Adv. \(539\)](#)
[Design Visual Communications \(530\)](#)
[Desktop Publishing I \(248\)](#)
[Desktop Publishing II \(249\)](#)
[Digital File Prep \(Indesign\) \(567\)](#)
[Digital File Prep \(Quarkxpress\) \(569\)](#)
[Digital media IA \(810\)](#)
[Digital media IB \(811\)](#)
[Digital media II \(815\)](#)
[Digital Photography, Basic \(537\)](#)
[Film Photography, Basic \(535\)](#)
[Graphics Communication, Intro. \(560\)](#)
[Graphics Communication, Inter. \(562\)](#)
[Graphics Communications, Adv. \(564\)](#)
[Interior Design I \(310\)](#)
[Interior Design II \(333\)](#)
[Screen Printing, Intro. \(566\)](#)
[Television Broadcasting \(590\)](#)
[Video Production I \(592\)](#)

Word Processing Basics (260)

[Word Processing \(262\)](#)

Education & Training

[Child Development \(320\)](#)
[Early Childhood Education I \(323\)](#)
[Early Childhood Education IA \(325\)](#)
[Early Childhood Education IB \(328\)](#)
[Early Childhood Education II \(329\)](#)

Finance

[Accounting I \(210\)](#)
[Accounting II \(212\)](#)
[Accounting, Adv. \(213\)](#)
[Banking And Finance \(235\)](#)
[Math of Business & Personal Finance \(236\)](#)

Government & Public Administration

[Economics \(450\)](#)
[Leadership Principles \(418\)](#)
[Leadership Management, A \(419\)](#)
[Leadership Management, B \(420\)](#)

Health Science

[Biotechnology \(708\)](#)

Business Management &

Exam Navigation

- Streamlined Proctoring
 - Teacher can proctor every student in the class together
- Timer – Visible or Hidden
- Question Flagging
 - Review Before Submitting Exam
- Natural Accessibility
 - Jump to items
 - Whole exam view

The screenshot displays the PRECISION exams interface. At the top, there are navigation buttons for 'Prev' and 'Next', and a 'Question #7' indicator. A 'flag this question' button is also present. The main question text reads: 'Arrange the units that measure storage capacity from smallest to largest.(Drag-and-drop your answer to the appropriate box)'. Below the text, there are four empty boxes for the answer, labeled 'Smallest' at the top and 'Largest' at the bottom. To the right of these boxes, there are four draggable items: 'Byte', 'Gigabyte', 'Megabyte', and 'Terabyte'. On the right side of the interface, there is a sidebar with the 'PRECISION exams' logo, the user's name 'Name: ROGER MCC', the test name 'Test: Computer Technology (250)', a 'Hide Time Remaining' button, and a timer showing '01:29:35'. Below the timer, there are buttons for 'All', 'Unanswered', 'Flagged', and 'Answered'. There are also 'Show Text' and 'Show Standards' buttons. At the bottom of the sidebar, there is a grid of question numbers from 01 to 45, with '07' highlighted. A 'Submit Test' button is located at the bottom of the sidebar.

PRECISION exams

Name: ROGER MCC
Test: Computer Technology (250)

Hide Time Remaining 01:29:35

All Unanswered
Flagged Answered

Show Text Show Standards

01 02 03 04 05
06 07 08 09 10
11 12 13 14 15
16 17 18 19 20
21 22 23 24 25
26 27 28 29 30
31 32 33 34 35
36 37 38 39 40
41 42 43 44 45

Submit Test

Prev Next Question #7 flag this question

Arrange the units that measure storage capacity from smallest to largest.(Drag-and-drop your answer to the appropriate box).

Smallest

Byte
Gigabyte
Megabyte
Terabyte

Largest

Precision Exams Assessment Profile

- Enhanced Question Types
 - Multiple Choice, Drag & Drop, Labeling, Grouping, Ordering, Multiple Select, Hot Spot

PRECISION exams

Name: ROGER MCC
Test: Computer Technology (250)

Hide Time Remaining 01:29:35

Question #7

Arrange the units that measure storage capacity from smallest to largest.(Drag-and-drop your answer to the appropriate box).

Smallest

Byte

Gigabyte

Megabyte

Terabyte

Largest

Submit Test

Drag & Drop

PRECISION exams

Name: ROGER MCC
Test: Computer Technology (250)

Hide Time Remaining 01:26:10

Question #17

What is the result of the formula?

	A	B
1	Dick & Jane's Lemonade Stand	
2		
3	Sales	15
4	Expenses	6
5	Profit per person	=B3-B4/2
6		
7		
8		
9		

13

5

20

4

Submit Test

Multiple Choice

PRECISION exams

Name: ROGER MCC
Test: Computer Technology (250)

Hide Time Remaining 01:23:12

Question #35

Group the following items into two distinct groups, one containing computer Input devices, the other containing computer Output devices.(Drag-and-drop your answer to the appropriate Group/Category).

projector speakers keyboard

mouse microphone printer

Input devices

keyboard

Output devices

printer

Submit Test

Grouping

PRECISION exams

Name: ROGER MCC
Test: Computer Technology (250)

Hide Time Remaining 01:20:58

Question #56

Label the following items in the letter below:(Drag each pin to the appropriate spot on the diagram).

Italic font

Bold font

Letterhead

Internet Service

Which type of slide layout would be best for presenting the following items in the letter below?

The best definition for "Internet" is:

You are writing a paper for a class and you use a quote from an Internet. Which of the following does NOT prevent virus

Submit Test

Labeling

Precision Exams Assessment Profile

- Written to 10th-11th grade reading level
- Built to be taken in a 50 minute class period
- Average number of items: 60
- Summative
 - All assessment reports tied to scores per standard, providing formative information to both candidate and educators
- IEPs
 - readers, non-randomized, extended time, pausing, browser functions



Value to Students, Teachers, District and State Admins

- Students:
 - Skill Certificate
 - Individual Student Score Report



Value to Students – Skill Certificate



Student Benefits

- Validate skills attained with standards listed on back
- Certificate to show proficiency for job interviews and resumes
- Recognition on their college applications
- *Easier articulation into college programs

70% of students concentrating in CTE areas stayed in postsecondary education or transferred to a 4-year degree program (compared to overall average state target of 58%).

- U.S. Department of Education (<http://www2.ed.gov/about/reports/annual/2010report/fy2010-apr.pdf>)

Student Score Report

Student Score Report



Exam Details

Elianna Woznack
Introduction to Health Sciences (700)

Test Date: 05/06/2014
Health Science - 1A
FREEMONT HIGH SCHOOL
SKYVIEW SCHOOL DISTRICT

Points Possible	78
Student Score	63.00
Percent Correct	81%
Result	PASS

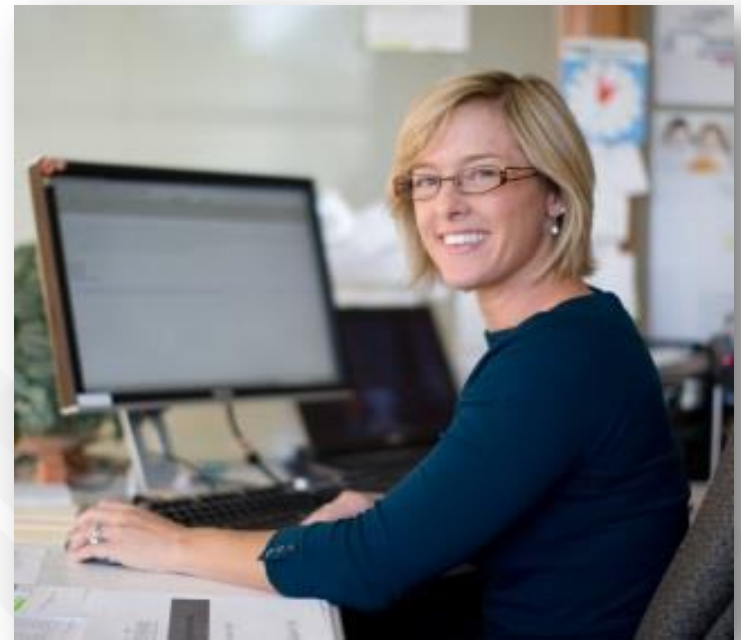
Standards

<u>% Correct</u>	<u>Definition</u>
83%	Students will explore the fundamental aspects of Healthcare.
79%	Students will explore aspects of the body systems related to support.
64%	Students will explore aspects of the body systems related to transportation.
83%	Students will explore aspects of the body systems related to regulation.
85%	Students will explore aspects of the body systems related to maintenance.
92%	Students will explore aspects of the human reproductive systems.

- Instantly provide detailed feedback to each individual student

Value to Teachers and Admins – Data!

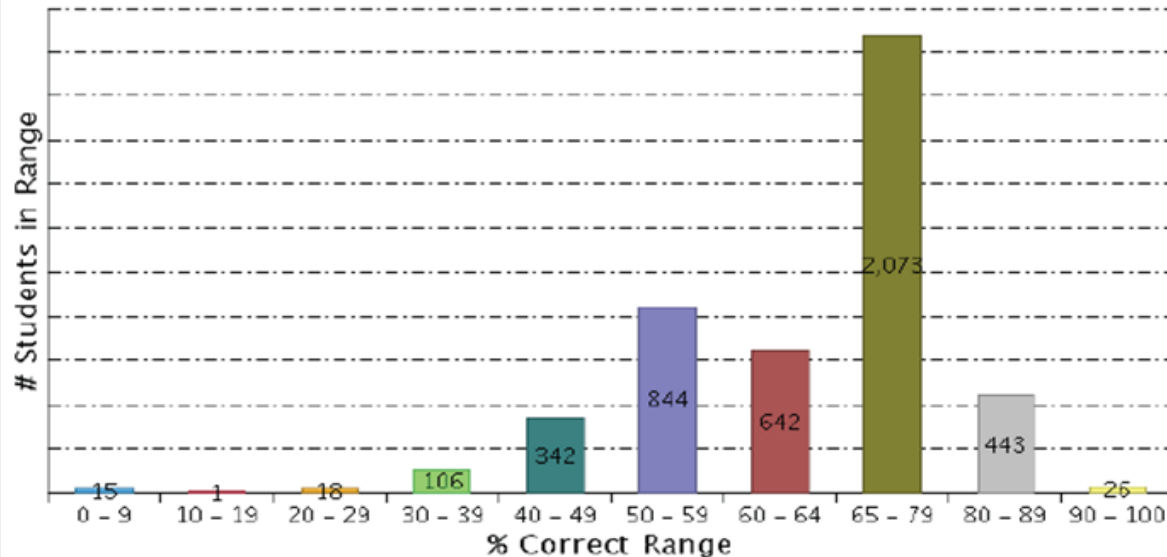
- Instant reporting available at all levels
 - State, District, School, Teacher
 - Data for State and Federal (Perkins) requirements
- Relevant Data
 - Data provided per class, per exam, per teacher, per student
 - Data provided by standard
 - Data for Student Growth Measurement
- Instructive Data
 - Data provides a roadmap for self-improvement and professional development



Assessment Report

Number Tested	Lowest Score	Highest Score	Average Score	Total Possible	Average %
4510	0	100	65	100	65

Score Distribution



NCHSE : NATIONAL HEALTHCARE

1 - Academic Foundation : Healthcare	
1.1 Human Structure and Function : Human	42%
1.2 Diseases and Disorders : Diseases and	60%
1.3 Medical Mathematics : Medical Mathematics	61%
2 - Communications : Healthcare professionals will	
2.1 Concepts of Effective Communication :	62%
2.2 Medical Terminology : Medical Terminology	65%
2.3 Written Communication Skills : Written	62%
3 - Systems : Healthcare professionals will	
3.1 Healthcare Delivery Systems : Healthcare	59%
4 - Employability Skills : Healthcare professionals	
4.1 Personal Traits of the Healthcare	56%
4.2 Employability Skills : Employability Skills	77%

- Higher level view to see how an assessment is performing
- Run by:
 - State-level
 - District-level
 - School-level
 - Proctor-level

Standards Level Detailed Reporting

- Instant feedback to improve learning
- Guide for professional development

Idaho Standards Results:

Teacher Standards Report

District: Meridian Joint District #2
 School: High School X
 Teacher: Teacher Y
 Class: Sports Med III
 Test: Exercise Science/Sports
 Testing period: Jul 1, 2013 - Jun 30, 2014
 Questions: 53
 Standards: 10
 Number of Participants: 10
 Total Meeting Skill Standard: 8

Standard Summary

Index	Standard	Total Questions	Total Points
1	1-Therapeutic Careers	2	9
2	2-Medical Terminology	7	10
3	3-Injury prevention principles	4	6
4	4-Performance Enhancement Philosophies	8	12
5	5-Sports Nutrition	8	8
6	6-Injury and Healing	4	4
7	7-Therapy and Rehabilitation	5	8
8	8-Sports Injuries	6	23
9	9-Rehabilitation techniques	6	8
10	10-Sports Psychology	3	5

Assessment Summary

Student Name	1	2	3	4	5	6	7	8	9	10	11	12	%	Result
Student 1	78%	70%	50%	92%	63%	100%	63%	100%	50%	100%			80%	Pass
Student 2	78%	80%	100%	67%	88%	75%	100%	96%	75%	96%			86%	Pass
Student 3	78%	92%	100%	58%	79%	100%	100%	96%	88%	100%			88%	Pass
Student 4	78%	90%	50%	75%	100%	100%	63%	74%	75%	76%			77%	Fail
Student 5	100%	88%	100%	92%	63%	75%	88%	100%	88%	56%			89%	Pass
Student 6	100%	57%	50%	50%	88%	100%	100%	96%	75%	100%			81%	Pass
Student 7	78%	100%	100%	75%	67%	75%	50%	91%	50%	32%			76%	Fail
Student 8	100%	90%	100%	83%	100%	100%	100%	100%	63%	96%			93%	Pass
Student 9	100%	90%	100%	83%	79%	100%	88%	78%	63%	36%			82%	Pass
Student 10	100%	90%	100%	92%	100%	75%	100%	100%	88%	96%			95%	Pass
Summary	89%	85%	85%	77%	83%	90%	85%	93%	72%	79%			85%	
State Average	86%	89%	84%	76%	77%	88%	85%	90%	70%	74%			83%	

Student Growth Reporting

- Effectively measure student growth with Pre and Post testing

Colorado Summary Results:

[Summary Suite Report](#)

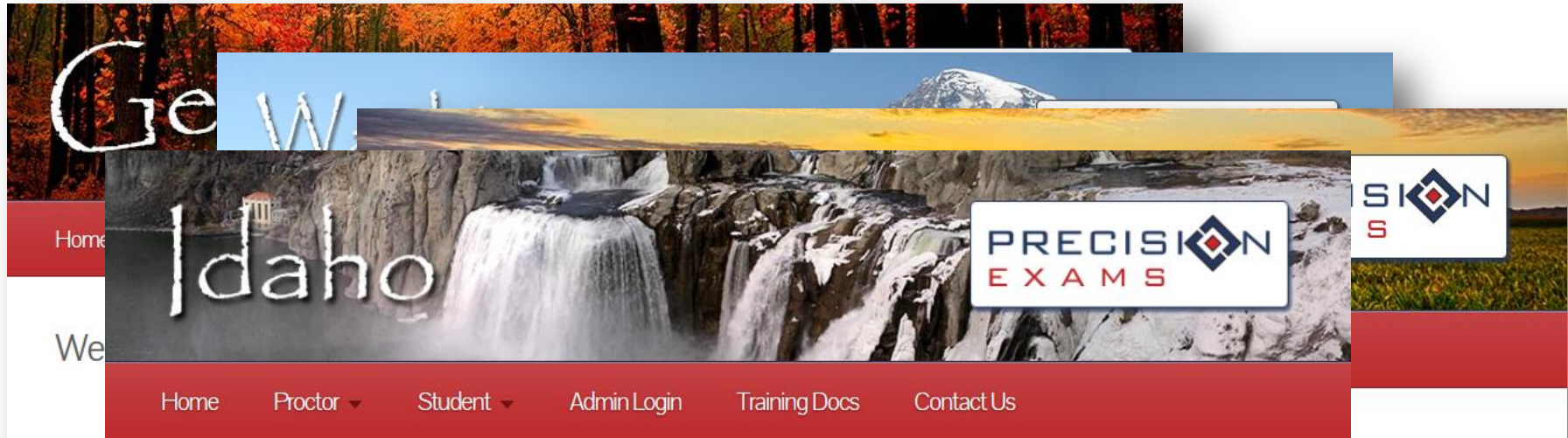
District Level Report

Report for: CO
 Testing period: Jul 1, 2013 - Jun 30, 2014
 Pre Number of Participants: 10
 Post Number of Participants: 10

Exam ID	Exam Name	Student	Pre				Exam ID	Exam Name	Post				% Change
			Number tested	Avg score	Student %	State %			Number tested	Avg score	Student %	State %	
401Pre	Marketing, Semester Part I (401Pre)	Student 1	1	38.79	57.00	54.22	401Post	Marketing, Semester Part I (401Post)	1	49.71	73.00	75.53	16
401Pre	Marketing, Semester Part I (401Pre)	Student 2	1	36.79	54.00	54.22	401Post	Marketing, Semester Part I (401Post)	1	58.71	86.00	75.53	32
401Pre	Marketing, Semester Part I (401Pre)	Student 3	1	44.36	65.00	54.22	401Post	Marketing, Semester Part I (401Post)	1	53.79	79.00	75.53	14
401Pre	Marketing, Semester Part I (401Pre)	Student 4	1	27.86	41.00	54.22	401Post	Marketing, Semester Part I (401Post)	1	40.71	60.00	75.53	19
401Pre	Marketing, Semester Part I (401Pre)	Student 5	1	45.86	67.00	54.22	401Post	Marketing, Semester Part I (401Post)	1	57.64	85.00	75.53	18
401Pre	Marketing, Semester Part I (401Pre)	Student 6	1	46.29	68.00	54.22	401Post	Marketing, Semester Part I (401Post)	1	55.86	82.00	75.53	14
401Pre	Marketing, Semester Part I (401Pre)	Student 7	1	36.93	54.00	54.22	401Post	Marketing, Semester Part I (401Post)	1	51.50	76.00	75.53	22
401Pre	Marketing, Semester Part I (401Pre)	Student 8	1	41.00	60.00	54.22	401Post	Marketing, Semester Part I (401Post)	1	54.14	80.00	75.53	20
401Pre	Marketing, Semester Part I (401Pre)	Student 9	1	45.29	67.00	54.22	401Post	Marketing, Semester Part I (401Post)	1	57.29	84.00	75.53	17
401Pre	Marketing, Semester Part I (401Pre)	Student 10	1	47.79	70.00	54.22	401Post	Marketing, Semester Part I (401Post)	1	59.00	87.00	75.53	17

Personalized State Landing Page

www.precisionexams.com/idaho




Welcome to the CTE Skill Certificate Program exam administration site



Proctor Login



Student Login

 Learn how to get started

PRECISION
EXAMS

State Sponsored Career Skills Certificate

Career Skills Certificate

This is to certify that

Montgo
has dem
Word Pro

PRECISION
EXAMS

UTAH STATE OFFICE OF EDUCATION

Career and Technical Education

SKILL CERTIFICATE

Career Skills Certificate

This is to certify that

Amanda Smith

has demonstrated competency in

Word Processing Basics 250

State of Washington

Office of
Superintendent of Public Instruction

OSPI



5/15/14

Date issued

Randy Dorn

State Superintendent

Mary Shumway
Mary M. Shumway
State Career and Technical Education Director

PRECISION
EXAMS

Getting started...

1. Proctors/Admins imported and registered

- Import the proctor ID#'s for proper authentication
- Proctors and Admins register

2. Purchase exam inventory

- Pricing models built on contract and volume
- \$5.00 per exam for any Precision Exams Career Skills Exams (as low as \$1.79 per exam)
- NCHSE member pricing \$12 per exam

3. Start Testing!!!



Thank You!

We look forward to working with you.

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